

Assessment Evidence Guide

For

“Textile Wet Processing”

Level-3

Perform Industrial Fabric Dyeing

(Formative Assessment)



**National Vocational & Technical
Training Commission**

Instruction Sheet for the Candidate

Title of Qualification: National Vocational Certificate Level 3 in Textile Wet Processing (Operator)	CS Code:	Level: 03	Version: 01
Competency Standard Title: <ul style="list-style-type: none"> • Perform Industrial Fabric Dyeing • Identify and Implement Workplace policies and Procedures • Apply Work Health and Safety Practices (WHS) • Communicate at Workplace • Perform Basic Computer Operations 	Assessment Date (DD/MM/YY): Assessment Time:		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <ol style="list-style-type: none"> 1. Assessment Task 1: Candidate is required to perform Winch dyeing on fabric, assigned by assessor. 2. Assessment Task 2: Candidate is required to perform Jigger dyeing on fabric, assigned by assessor. 3. Assessment Task 3: Candidate is required to perform Jet dyeing on fabric, assigned by assessor. 4. Assessment Task 4: Candidate is required to perform Rope dyeing on yarn, assigned by assessor. 5. Assessment Task 5: Candidate is required to perform Pad Batch dyeing on fabric, assigned by assessor. 6. Assessment Task 6: Candidate is required to perform Yarn/cone dyeing on yarn, assigned by assessor. <p>And complete:</p> <ol style="list-style-type: none"> 7. Knowledge assessment test (Written or Oral) 8. Portfolios at the time of assessment (if any)
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p>

	<p>Assessment Task 1</p> <p>Performance Criteria 1: Interpret Specification Sheet/Processing Order (PO) for Winch Dyeing</p> <p>Performance Criteria 2: Arrange material for dyeing process as per program sheet</p> <p>Performance Criteria 3: Load fabric on the Winch Dyeing machine</p> <p>Performance Criteria 4: Set Winch Dyeing machine parameters as Winch Dyeing process requirement/Specification Sheet/Processing Order (PO)</p> <p>Performance Criteria 5: Operate Winch dyeing machine for fabric dyeing</p> <p>Performance Criteria 6: Maintain quality parameters during process according to program sheet/protocol</p> <p>Performance Criteria 7: Wash & Neutralize dyed fabric as per program sheet</p> <p>Performance Criteria 8: Maintain Record for Winch Dyeing</p>
	<p>Assessment Task 2</p> <p>Performance Criteria 1: Interpret Specification Sheet/Processing Order (PO) for Jigger Dyeing</p> <p>Performance Criteria 2: Arrange material for Jigger dyeing process as per program sheet</p> <p>Performance Criteria 3: Load fabric on the Jigger Dyeing machine</p> <p>Performance Criteria 4: Set Jigger Dyeing machine parameters as per Jigger Dyeing process requirement/Specification Sheet/Processing Order (PO)</p> <p>Performance Criteria 5: Operate Jigger dyeing machine for fabric dyeing</p> <p>Performance Criteria 6: Maintain quality parameters during process according to program sheet/protocol</p> <p>Performance Criteria 7: Wash & Neutralize dyed fabric as per program sheet</p> <p>Performance Criteria 8: Maintain Record for Jigger Dyeing</p>
	<p>Assessment Task 3</p> <p>Performance Criteria 1: Interpret Specification Sheet/Processing Order (PO) for Jet Dyeing</p> <p>Performance Criteria 2: Arrange material for Jet dyeing process as per program sheet</p>

	<p>Performance Criteria 3: Load fabric on the Jet Dyeing machine</p> <p>Performance Criteria 4: Set Jet Dyeing machine parameters as per Jet Dyeing process requirement/Specification Sheet/Processing Order (PO)</p> <p>Performance Criteria 5: Operate Jet dyeing machine for fabric dyeing</p> <p>Performance Criteria 6: Maintain quality parameters during process according to program sheet/protocol</p> <p>Performance Criteria 7: Wash & Neutralize dyed fabric as per program sheet</p> <p>Performance Criteria 8: Maintain Record for Jet Dyeing</p>
	<p>Assessment Task 4</p> <p>Performance Criteria 1: Arrange material for Rope Dyeing process as per program sheet</p> <p>Performance Criteria 2: Load fabric on the Rope Dyeing machine</p> <p>Performance Criteria 3: Set De-Sizing machine parameters as per Rope Dyeing process requirement/Specification Sheet/Processing Order (PO)</p> <p>Performance Criteria 4: Operate Rope Dyeing machine for fabric dyeing</p> <p>Performance Criteria 5: Maintain quality parameters during process according to program sheet/protocol</p> <p>Performance Criteria 6: Wash & Neutralize dyed fabric as per program sheet</p> <p>Performance Criteria 7: Maintain Record for Rope Dyed Fabric</p>
	<p>Assessment Task 5</p> <p>Performance Criteria 1: Interpret Specification Sheet/Processing Order (PO) for Pad Batch Dyeing</p> <p>Performance Criteria 2: Arrange material for Pad Batch Dyeing process as per program sheet</p> <p>Performance Criteria 3: Load fabric on the Pad Batch Dyeing machine</p> <p>Performance Criteria 4: Set Pad Batch Dyeing machine parameters as per Pad Batch Dyeing process requirement/Specification Sheet/Processing Order (PO)</p> <p>Performance Criteria 5: Operate Pad Batch Dyeing machine for fabric dyeing</p> <p>Performance Criteria 6: Maintain quality parameters during process according to program sheet/protocol</p> <p>Performance Criteria 7: Wash & Neutralize dyed fabric as per program sheet</p>

	Performance Criteria 8: Maintain Record for Pad Batch Dyeing
	Assessment Task 6 Performance Criteria 1: Interpret Specification Sheet/Processing Order (PO) for yarn/Cone Dyeing Performance Criteria 2: Arrange material for Yarn/Cone Dyeing process as per program sheet Performance Criteria 3: Load fabric on the Yarn/Cone Dyeing machine Performance Criteria 4: Set Yarn/Cone Dyeing machine parameters as per Yarn/Cone Dyeing process requirement/Specification Sheet/Processing Order (PO) Performance Criteria 5: Operate Yarn/Cone Dyeing machine for Yarn Dyeing Performance Criteria 6: Maintain quality parameters during process according to program sheet/protocol Performance Criteria 7: Wash & Neutralize dyed Yarn/Cone as per program sheet Performance Criteria 8: Maintain Record for Dyed Yarn/Cone
	Portfolios required at the time of assessment (if any) for

Assessors Judgment Guide

Candidate Details	Name: Registration/Roll Number: Candidate Signature:
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor:..... Assessor's code:..... Signature of the Assessor:

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓				
Knowledge Assessment	✓	✓					
Other Requirement							

Observation Checklist

Assessment Task 1		Description of Assessment Task 1 Candidate is required to perform Winch dyeing on fabric, assigned by assessor.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Interpret Specification Sheet/Processing Order (PO) for Winch Dyeing			
2.	Arrange material for dyeing process as per program sheet			
3.	Load fabric on the Winch Dyeing machine			
4.	Set Winch Dyeing machine parameters as Winch Dyeing process requirement/Specification Sheet/Processing Order (PO)			
5.	Operate Winch dyeing machine for fabric dyeing			
6.	Maintain quality parameters during process according to program sheet/protocol			
7.	Wash & Neutralize dyed fabric as per program sheet			
8.	Maintain Record for Winch Dyeing			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of Assessment Task 2 Candidate is required to perform Jigger dyeing on fabric, assigned by assessor.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Interpret Specification Sheet/Processing Order (PO) for Jigger Dyeing			
2.	Arrange material for Jigger dyeing process as per program sheet			
3.	Load fabric on the Jigger Dyeing machine			
4.	Set Jigger Dyeing machine parameters as per Jigger Dyeing process requirement/Specification Sheet/Processing Order (PO)			
5.	Operate Jigger dyeing machine for fabric dyeing			
6.	Maintain quality parameters during process according to program sheet/protocol			
7.	Wash & Neutralize dyed fabric as per program sheet			
8.	Maintain Record for Jigger Dyeing			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of Assessment Task 3 Candidate is required to perform Jet dyeing on fabric, assigned by assessor.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Interpret Specification Sheet/Processing Order (PO) for Jet Dyeing			
2.	Arrange material for Jet dyeing process as per program sheet			
3.	Load fabric on the Jet Dyeing machine			
4.	Set Jet Dyeing machine parameters as per Jet Dyeing process requirement/Specification Sheet/Processing Order (PO)			
5.	Operate Jet dyeing machine for fabric dyeing			
6.	Maintain quality parameters during process according to program sheet/protocol			
7.	Wash & Neutralize dyed fabric as per program sheet			
8.	Maintain Record for Jet Dyeing			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 4		Description of Assessment Task 4 Candidate is required to perform Rope dyeing on yarn, assigned by assessor.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Interpret Specification Sheet/Processing Order (PO) for Rope Dyeing			
2.	Arrange material for Rope Dyeing process as per program sheet			
3.	Load fabric on the Rope Dyeing machine			
4.	Set De-Sizing machine parameters as per Rope Dyeing process requirement/Specification Sheet/Processing Order (PO)			
5.	Operate Rope Dyeing machine for fabric dyeing			
6.	Maintain quality parameters during process according to program sheet/protocol			
7.	Wash & Neutralize dyed fabric as per program sheet			
8.	Maintain Record for Rope Dyed Fabric			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 5		Description of Assessment Task 5 Candidate is required to perform Pad Batch dyeing on fabric, assigned by assessor.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Interpret Specification Sheet/Processing Order (PO) for Pad Batch Dyeing			
2.	Arrange material for Pad Batch Dyeing process as per program sheet			
3.	Load fabric on the Pad Batch Dyeing machine			
4.	Set Pad Batch Dyeing machine parameters as per Pad Batch Dyeing process requirement/Specification Sheet/Processing Order (PO)			
5.	Operate Pad Batch Dyeing machine for fabric dyeing			
6.	Maintain quality parameters during process according to program sheet/protocol			
7.	Wash & Neutralize dyed fabric as per program sheet			
8.	Maintain Record for Pad Batch Dyeing			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 6		Description of Assessment Task 6 Candidate is required to perform Yarn/cone dyeing on yarn, assigned by assessor.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Interpret Specification Sheet/Processing Order (PO) for yarn/Cone Dyeing			
2.	Arrange material for Yarn/Cone Dyeing process as per program sheet			
3.	Load fabric on the Yarn/Cone Dyeing machine			
4.	Set Yarn/Cone Dyeing machine parameters as per Yarn/Cone Dyeing process requirement/Specification Sheet/Processing Order (PO)			
5.	Operate Yarn/Cone Dyeing machine for Yarn Dyeing			
6.	Maintain quality parameters during process according to program sheet/protocol			
7.	Wash & Neutralize dyed Yarn/Cone as per program sheet			
8.	Maintain Record for Dyed Yarn/Cone			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Title of Qualification: National Vocational Certificate Level 3 in Textile Wet Processing (Operator)	CS Code:	Level: 03	Version: 01
Competency Standard Title: <ul style="list-style-type: none"> Perform Industrial Fabric Dyeing Identify and Implement Workplace policies and Procedures Apply Work Health and Safety Practices (WHS) Communicate at Workplace Perform Basic Computer Operations 	Assessment Date (DD/MM/YY): Assessment Time: 30 min		

Guidance for Candidate	To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.
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Candidate Details	Name: Registration/Roll Number: Candidate Signature:
Written Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor:..... Assessor's code: Signature of the Assessor:

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)	
1. Write types of dyeing machines	Fiber dyeing machine, Yarn dyeing machine, Fabric dyeing machine, Garment dyeing machine
2. How to determine the liquor ratio for dyeing?	The liquor ratio in an exhaust dyebath is the ratio of the weight of the dry material being dyed to the water weight of the dyebath.
3. What is the pH of Dye?	The values range from 0-14. 7 means neutral, below 7 means more acidic, and above 7 means more alkaline.

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)	
4. What are the types of Fabric Dyes?	<ul style="list-style-type: none"> ○ Reactive Dyes ○ Direct Dyes ○ Acid Dyes ○ All-Purpose Dyes ○ Natural Dyes ○ VAT Dyes ○ Disperse Dyes ○ Azoic Dyes
5. Write names of any 5 types of fabric dyeing machines	<ol style="list-style-type: none"> 1. Jigger dyeing machine 2. Pad or padding mangle dyeing machine 3. Jet dyeing machine 4. High temperature winch dyeing machine 5. Winch dyeing machine
6. What is the difference between Dye and pigment?	Dyes are soluble in the host material—typically water and Pigments are insoluble in the host material

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Title of Qualification: National Vocational Certificate Level 3 in Textile Wet Processing (Operator)	CS Code:	Level: 03	Version: 01
Competency Standard Title: <ul style="list-style-type: none"> • Perform Industrial Fabric Printing • Identify and Implement Workplace policies and Procedures • Apply Work Health and Safety Practices (WHS) • Communicate at Workplace • Perform Basic Computer Operations 	Assessment Date (DD/MM/YY): Assessment Time :		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <ol style="list-style-type: none"> 1. Assessment Task 1: Candidate is required to write a colour recipe and prepare colour paste as per instructions, given by assessor. 2. Assessment Task 2: Candidate is required to engrave and expose the screen for Flatbed machine, print a design on fabric and also perform ager and washing as per requirement. 3. Assessment Task 3: Candidate is required to engrave and expose the screen for Rotary machine, print a design as per requirement. <p>And complete:</p> <ol style="list-style-type: none"> 4. Knowledge assessment test (Written or Oral) 5. Portfolios at the time of assessment (if any)

Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p>Assessment Task 1</p> <p>Performance Criteria 1: Prepare Stock paste for Colour development, including following tasks:</p> <ul style="list-style-type: none"> ○ Interpretation of Specification Sheet/Process Order (PO) ○ Arrangement of required material (Dyes, Auxiliaries, etc.) ○ Weighing chemicals for preparing printing paste according to recipe ○ Preparation of glue (adhesive) for printing machine <p>Performance Criteria 2: Write Colour Recipe</p> <p>Performance Criteria 3: Mix Colour for preparation of printing paste manually as per recipe</p> <p>Performance Criteria 4: Operate Dispensing System</p> <p>Performance Criteria 5: Maintain quality parameters during process according to protocol</p> <p>Performance Criteria 6: Maintain Record for recipes</p>
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	<p>Assessment Task 2</p> <p>Performance Criteria 1: Interpret Specification Sheet/Processing Order (PO)</p> <p>Performance Criteria 2: Select mesh size according to design</p> <p>Performance Criteria 3: Select frame size according to repeat of design</p> <p>Performance Criteria 4: Stretch Mesh cloth on frames</p> <p>Performance Criteria 5: Perform chemical coating on screen</p> <p>Performance Criteria 6: Dry chemical coating screen</p> <p>Performance Criteria 7: Load soft file of every separation</p> <p>Performance Criteria 8: Perform design exposing</p> <p>Performance Criteria 9: Perform curing / washing on screen</p> <p>Performance Criteria 10: Check exposed screen</p> <p>Performance Criteria 11: Perform Pad fixing/Hardening chemical after exposing</p> <p>Performance Criteria 12: Apply screen stripping</p> <p>Performance Criteria 13: Arrange material for Flatbed Printing according to program Sheet</p> <p>Performance Criteria 14: Select printing paste according to design from colour kitchen</p> <p>Performance Criteria 15: Load fabric on the Flatbed Printing machine</p> <p>Performance Criteria 16: Set Flatbed Printing machine parameters as per Flatbed Printing process requirement/Specification Sheet/Processing Order (PO)</p> <p>Performance Criteria 17: Operate Flatbed Printing Machine</p> <p>Performance Criteria 18: Unload the fabric from machine</p> <p>Performance Criteria 19: Load fabric on the Curing/Steaming (ager) machine</p> <p>Performance Criteria 20: Operate Curing/Steaming Machine</p> <p>Performance Criteria 21: Maintain quality parameters during process according to protocol.</p> <p>Performance Criteria 22: Maintain Record for engraving/exposing and Flatbed printing</p>
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	<p>Assessment Task 3</p> <p>Performance Criteria 1: Interpret Specification Sheet/Processing Order (PO) to Engrave for rotary screen printing</p> <p>Performance Criteria 2: Select Length, Repeat and mesh size of screen according to design</p> <p>Performance Criteria 3: Perform rounding of screen</p> <p>Performance Criteria 4: Perform chemical coating on screen</p> <p>Performance Criteria 5: Dry chemical coating screen</p> <p>Performance Criteria 6: Perform design exposing</p> <p>Performance Criteria 7: Perform curing / washing on screen</p> <p>Performance Criteria 8: Fix Rotary Screen Endrings</p> <p>Performance Criteria 9: Perform stripping by mechanical and chemical process</p> <p>Performance Criteria 10: Maintain quality parameters during process according to protocol</p> <p>Performance Criteria 11: Maintain Record for engraving/exposing (Rotary screen printing)</p> <p>Performance Criteria 12: Interpret Specification Sheet/Processing Order (PO) to Engrave for Rotary Printing</p> <p>Performance Criteria 13: Arrange material for Rotary Printing according to program Sheet</p> <p>Performance Criteria 14: Load fabric on the Rotary Printing machine</p> <p>Performance Criteria 15: Set Rotary Printing machine parameters as per Rotary Printing process requirement/Specification Sheet/Processing Order (PO)</p> <p>Performance Criteria 16: Operate Rotary Printing Machine</p> <p>Performance Criteria 17: Unload the fabric from machine</p> <p>Performance Criteria 18: Load fabric on the Washing machine</p> <p>Performance Criteria 19: Set Washing machine parameters as per Washing process requirement/Specification Sheet/Processing Order (PO)</p> <p>Performance Criteria 20: Operate Industrial Washing Machine</p> <p>Performance Criteria 21: Maintain quality parameters during process according to protocol</p> <p>Performance Criteria 22: Maintain Record for Rotary printing</p>
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Assessors Judgment Guide

(To be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name: Registration/Roll Number: Candidate Signature:
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor:..... Assessor's code:..... Signature of the Assessor:

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓				
Knowledge Assessment	✓	✓					
Other Requirement							

Observation Checklist

Assessment Task 1		Description of Assessment Task 1		
		Candidate is required to write a colour recipe and prepare colour paste as per instructions, given by assessor.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Prepare Stock paste for Colour development, including following tasks: <ul style="list-style-type: none"> ○ Interpretation of Specification Sheet/Process Order (PO) ○ Arrangement of required material (Dyes, Auxiliaries, etc.) ○ Weighing chemicals for preparing printing paste according to recipe ○ Preparation of glue (adhesive) for printing machine 			
2.	Write Colour Recipe			
3.	Mix Colour for preparation of printing paste manually as per recipe			
4.	Operate Dispensing System			
5.	Maintain quality parameters during process according to protocol			
6.	Maintain Record for recipes			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of Assessment Task 2		
		Candidate is required to engrave and expose the screen for Flatbed machine, print a design on fabric and also perform ager and washing as per requirement.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Interpret Specification Sheet/Processing Order (PO)			
2.	Select mesh size according to design			
3.	Select frame size according to repeat of design			
4.	Stretch Mesh cloth on frames			
5.	Perform chemical coating on screen			
6.	Dry chemical coating screen			
7.	Load soft file of every separation			
8.	Perform design exposing			
9.	Perform curing / washing on screen			
10.	Check exposed screen			
11.	Perform Pad fixing/Hardening chemical after exposing			
12.	Apply screen stripping			
13.	Arrange material for Flatbed Printing according to program Sheet			
14.	Select printing paste according to design from colour kitchen			
15.	Load fabric on the Flatbed Printing machine			
16.	Set Flatbed Printing machine parameters as per Flatbed Printing process requirement/Specification Sheet/Processing Order (PO)			
17.	Operate Flatbed Printing Machine			
18.	Unload the fabric from machine			
19.	Load fabric on the Curing/Steaming (ager) machine			
20.	Operate Curing/Steaming Machine			
21.	Maintain quality parameters during process according to protocol.			
22.	Maintain Record for engraving/exposing and Flatbed printing			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of Assessment Task 3		
		Candidate is required to engrave and expose the screen for Rotary machine, print a design as per requirement.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Interpret Specification Sheet/Processing Order (PO) to Engrave for rotary screen printing			
2.	Select Length, Repeat and mesh size of screen according to design			
3.	Perform rounding of screen			
4.	Perform chemical coating on screen			
5.	Dry chemical coating screen			
6.	Perform design exposing			
7.	Perform curing / washing on screen			
8.	Fix Rotary Screen Endrings			
9.	Performance Criteria 9: Perform stripping by mechanical and chemical process Performance Criteria 10: Performance Criteria 11: Performance Criteria 12: Performance Criteria 13:			
10.	Maintain quality parameters during process according to protocol			
11.	Interpret Maintain Record for engraving/exposing (Rotary screen printing)Specification			
12.	Sheet/Processing Order (PO) to Engrave for Rotary Printing			
13.	Arrange material for Rotary Printing according to program Sheet			
14.	Load fabric on the Rotary Printing machine			
15.	Set Rotary Printing machine parameters as per Rotary Printing process requirement/Specification Sheet/Processing Order (PO)			
16.	Operate Rotary Printing Machine			
17.	Unload the fabric from machine			
18.	Load fabric on the Washing machine			
19.	Set Washing machine parameters as per Washing process requirement/Specification Sheet/Processing Order (PO)			
20.	Operate Industrial Washing Machine			
21.	Maintain quality parameters during process according to protocol			
22.	Maintain Record for Rotary printing			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Title of Qualification: National Vocational Certificate Level 3 in Textile Wet Processing (Operator)	CS Code:	Level: 03	Version: 01
Competency Standard Title: <ul style="list-style-type: none"> Perform Industrial Fabric Printing Identify and Implement Workplace policies and Procedures Apply Work Health and Safety Practices (WHS) Communicate at Workplace Perform Basic Computer Operations 	Assessment Date (DD/MM/YY): Assessment Time : 30 min		

Guidance for Candidate	To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.
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Candidate Details	Name: Registration/Roll Number: Candidate Signature:
Written Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor:..... Assessor's code: Signature of the Assessor:

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)	
1. How Rotary printing works?	A continuous method of printing in which a perforated cylindrical screen is used to apply color. Color is forced from the interior of the screen onto the fabric.
2. Which is the correct diameter for rotary screen?	The diameter or Circumference of the Rotary screen is -641 mm, 820mm, 914mm and 1018mm. 02. Any kind of design measurement can be developed in a flatbed screen.

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)	
3. What is the required material for rotary screen printing?	1) Print Paste Feed 2) Screen 3) Open Design Area 4) Fabric 5) Squeegee Blade 6) Printed Area 7) Blanket 8) Level Control
4. How fixation carried out after printing?	Fixation is usually carried out with steam. Water vapours condenses on the printed material, swells up the thickener, heats the print and provides the necessary transport medium for the diffusion of the dye.
5. What is flat bed screen printing?	Modern flatbed screen printing is an automated version of the older hand-operated silkscreen printing. ... Flat screens print a finite area and not a continuous pattern. An advantage of this system is that it allows several strokes of the squeegee on each screen, to apply large amounts of print paste.
6. Which is the correct diameter for rotary screen?	There are three types of flat screen printing, such as 1) Hand Screen Printing 2) Semi-Automatic Flat Screen Printing 3) Fully-Automatic Flat Screen Printing
How many meters fabrics are printed on the flat bed screen machine per minute?	The Fabric Printing rate per minute is 30-60 meters.
7. What is the difference between Rotary and Flatbed printing?	Flat Screen Printing Technology the screen is flat and moves up and down. Besides, the Rotary screen is round in size and it rotates
8. What is curing process in textile?	Curing is the dry heating process in which heat is given to the pigment printed fabric to fix it's color. The required temperature for this process is ranges from 150-180 c.

